

Appl. No. 09/741,666
Amendment/Response
Reply to Office action of 12 March 2003

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Sub B7
1. (currently amended) Plasma display device comprising a dielectric layer (5, 9, 28) separating electrodes (2, 4, 3, 8, 25, 24) from a discharge chamber (11, 22), characterized in that wherein the dielectric layer (5, 9, 28) comprises includes a transparent metal oxide matrix in which alkyl groups are present.

a
2. (currently amended) ~~Plasma display device as claimed in~~
The plasma display device of claim 1, characterized in that
wherein the dielectric layer (5, 9, 28) is thicker than 10
micrometers.
~~Plasma display device as claimed in claim 2, characterized in~~
~~that the dielectric layer is thicker than 15 micrometer.~~

3. (currently amended) ~~Plasma display device as claimed in~~
The plasma display device of claim 1, characterized in that
wherein the dielectric layer comprises includes more than one sub-layer.

4. (currently amended) ~~Plasma display device as claimed in~~
The plasma display device of claim 1, characterized in that
wherein the transparent metal oxide is silicon oxide.

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5. (currently amended) ~~Plasma display device as claimed in~~
The plasma display device of claim 1, characterized in that
wherein the alkyl group is methyl or ethyl.

6. (currently amended) ~~Plasma display device as claimed in~~
The plasma display device of claim 5, characterized in that
wherein the alkyl group is methyl.

7. (currently amended) ~~Plasma display device according to The~~
plasma display device of claim 1, characterized in that wherein
a layer ~~(33)~~ absorbing radiation having a wavelength $\lambda \geq 175$ nm
is present between the dielectric layer ~~(5, 9, 2, 8)~~ and the
discharge chamber ~~(11, 22)~~.

a 8. (currently amended) ~~Plasma display device according to The~~
plasma display device of claim 7, characterized in that wherein
the absorbing layer ~~(33)~~ comprises includes zirconium oxide
oxide.

9. (currently amended) Method of manufacturing a plasma
display device comprising electrodes ~~(2, 3, 4, 8, 24, 25)~~ and a
discharge chamber, ~~(11, 22)~~ in which device a dielectric layer
~~(5, 9, 28)~~ is provided in between the electrodes and the
discharge chamber, characterized in that wherein a precursor
layer is applied to a substrate ~~(1, 7, 23)~~ comprising
electrodes, the precursor layer comprising a metal alkoxide
comprising, bound to the metal atom, an alkyl group and alkoxy
groups, and said precursor layer is subsequently converted to
the dielectric layer.

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10. (currently amended) ~~Method as claim in~~ The method of claim
8, ~~characterized in that wherein~~ the alkyl group is methyl or
ethyl

11. (currently amended) ~~Method as claimed in~~ The method of
claim 8, ~~characterized in that wherein~~ the pre-cursor layer is
applied by dip-coating, preferably in more than one layer.

12. (new) The plasma display of claim 2, wherein the
dielectric layer is thicker than 15 micrometers.